

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: B88069X7110C203
Manufacturer: TDK
Package: Bulk
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x7110c203.html>

Request a Quote:

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.



Surge arrester

3-electrode arrester

Series/Type:	T20-A260X
Ordering code:	B88069X7110C203
Date:	2026-04-01
Version:	04

Surge arrester

B88069X7110C203

3-electrode arrester

T20-A260X

Features

- Standard size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Branch exchange (MDF)
- Line protection
- Station protection

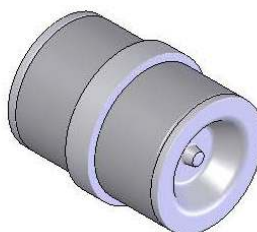
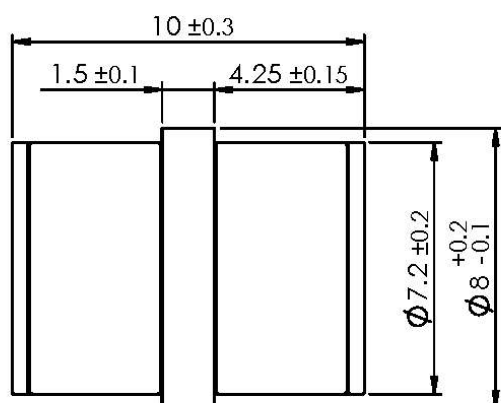
Electrical specifications

DC spark-over voltage ^{1) 2) 3)}		260	V
Tolerance at 100 V/s		210 ... 330	V
Tolerance at 100 kV/s		210 ... 350	V
Impulse spark-over voltage ³⁾			
at 1 kV/μs - for 99% of measured values		220 ... 650	V
Service life ⁸⁾			
100 operations	50 Hz; 1 s ^{5) 7)}	1	A
20 operations	50 Hz; 1 s ^{5) 6)}	5	A
20 operations	50 Hz; 1 s ^{4) 6)}	10	A
10 operations [5× (+) & 5×(-)]	8/20 μs ⁵⁾	5	kA
10 operations [5× (+) & 5×(-)]	8/20 μs ⁴⁾	10	kA
300 operations, alternating polarity	10/1000 μs ⁵⁾	100	A
300 operations, alternating polarity	10/1000 μs ⁴⁾	200	A
DC holdover voltage ⁸⁾			
at 80 V _{DC} / 600 Ω		< 150	ms
at 120 V _{DC} / 600 Ω		< 150	ms
Insulation resistance at 100 V _{DC} ³⁾		> 10	GΩ
Capacitance at 1 MHz ³⁾		< 1.5	pF
Weight		~ 2	g
Operation and storage temperature		-40 ... +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, blue negative		TDK 260 YY M 260 - Nominal voltage YY - Year of production M - Month of production (1 ... 9 = Jan ... Sep O ... D = Oct ... Dec)	
Certifications		UL 497B (E163070)	

Remarks on next page

- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- 4) Total current through center electrode, half value through tip respectively ring electrode
- 5) Total current through center electrode, same value through tip respectively ring electrode
- 6) Test program: 10 times (1 s current, 2 s break, 1 s current) 3 min break
- 7) Test program: 50 times (1 s current, 2 s break, 1 s current) 3 min break
- 8) Test in accordance with France Telecom ST/FT R&D/8288 Surge Protective Devices (Sept. 2003)

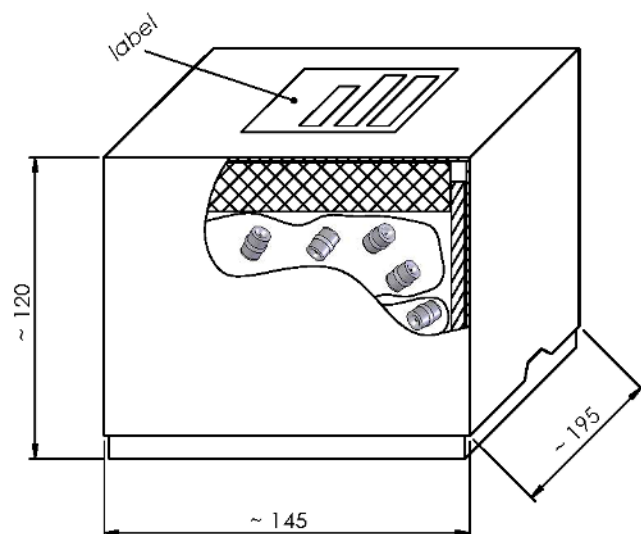
Dimensional drawing in mm



nickel-plated

Ordering code and packing advice

B88069X7110C203 = 2000 pcs. in container (2 PE-bags á 1000 pcs.)



Cautions and warnings

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

Display of ordering codes for TDK Electronics products

The ordering code for one and the same product can be represented differently in data sheets, data books, other publications, on the company website, or in order-related documents such as shipping notes, order confirmations and product labels. **The varying representations of the ordering codes are due to different processes employed and do not affect the specifications of the respective products.** Detailed information can be found on the Internet under www.tdk-electronics.tdk.com/orderingcodes.

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2. We also point out that **in individual cases, a malfunction of electronic components or failure before the end of their usual service life cannot be completely ruled out in the current state of the art, even if they are operated as specified**. In customer applications requiring a very high level of operational safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger human life or health (e.g. in accident prevention or life-saving systems), it must therefore be ensured by means of suitable design of the customer application or other action taken by the customer (e.g. installation of protective circuitry or redundancy) that no injury or damage is sustained by third parties in the event of malfunction or failure of an electronic component.
3. **The warnings, cautions and product-specific notes must be observed.**
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7. **Our manufacturing sites serving the automotive business apply the IATF 16949 standard**. The IATF certifications confirm our compliance with requirements regarding the quality management system in the automotive industry. Referring to customer requirements and customer specific requirements ("CSR") TDK always has and will continue to have the policy of respecting individual agreements. Even if IATF 16949 may appear to support the acceptance of unilateral requirements, we hereby like to emphasize that **only requirements mutually agreed upon can and will be implemented in our Quality Management System**. For clarification purposes we like to point out that obligations from IATF 16949 shall only become legally binding if individually agreed upon.

Important notes

8. The trade names EPCOS, CarXield, CeraCharge, CeraDiode, CeraLink, CeraPad, CeraPlas, CSMP, CTVS, DeltaCap, DigiSiMic, FilterCap, FormFit, InsuGate, LeaXield, MediPlas, MiniBlue, MiniCell, MKD, MKK, ModCap, MotorCap, PCC, PhaseCap, PhaseCube, PhaseMod, PhiCap, PiezoBrush, PlasmaBrush, PowerHap, PQSine, PQvar, SIFERRIT, SIFI, SIKOREL, SilverCap, SIMDAD, SiMic, SIMID, SineFormer, SIOV, SurfIND, ThermoFuse, WindCap, XieldCap are **trademarks registered or pending** in Europe and in other countries. Further information will be found on the Internet at www.tdk-electronics.tdk.com/trademarks.

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